

Title (en)  
MULTILINK DEVICE FOR SWITCHING OPERATION

Title (de)  
MULTILINK-VORRICHTUNG FÜR SCHALTBETRIEB

Title (fr)  
DISPOSITIF À LIAISONS MULTIPLES POUR OPÉRATION DE COMMUTATION

Publication  
**EP 4228323 A1 20230816 (EN)**

Application  
**EP 23156846 A 20230215**

Priority  
• US 202263310158 P 20220215  
• US 202318103999 A 20230131

Abstract (en)  
Switching operations are described that provide greater reliability for multilink operations between an access point multilink device, AP MLD, and a non-AP MLD in a wireless communications network. The AP MLD announces that the AP MLD switches one of the multilinks necessary for the multilink operation (802). The non-AP MLD determines whether an AP operating on a switching link has resumed basic service set, BSS, operation on a target channel (814).

IPC 8 full level  
**H04W 36/20** (2009.01); **H04W 84/12** (2009.01)

CPC (source: EP US)  
**H04W 36/20** (2013.01 - EP); **H04W 76/15** (2018.01 - US); **H04W 76/20** (2018.01 - US); **H04W 84/12** (2013.01 - EP US)

Citation (search report)  
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• [XPI] WO 2022272003 A1 20221229 - APPLE INC [US]  
• [XI] US 2021274500 A1 20210902 - CARIOU LAURENT [US], et al  
• [XI] US 2021250848 A1 20210812 - SEOK YONGHO [US], et al  
• [XPI] WILUS: "LB266 CR for nonprimary link channel switch", vol. 802.11 EHT; 802.11be, 13 October 2022 (2022-10-13), pages 1 - 5, XP068194690, Retrieved from the Internet <URL:https://mentor.ieee.org/802.11/dcn/22/11-22-1767-00-00be-lb266-cr-for-nonprimary-link-channel-switch.docx> [retrieved on 20221013]  
• [XI] "35. Extremely high throughput (EHT) MAC specification 35.1 Introduction", vol. 802.11be drafts, no. D1.4, 27 January 2022 (2022-01-27), pages 1 - 116, XP068187973, Retrieved from the Internet <URL:https://grouper.ieee.org/groups/802/11/private/Draft\_Standards/11be/Draft%20P802.11be\_D1.4%20-%20Figure%20Sources.zip Draft P802.11be\_D1.4 - Word.zip TGbe\_CI\_35.doc> [retrieved on 20220127]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4228323 A1 20230816**; TW 202337262 A 20230916; US 2023262822 A1 20230817

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**EP 23156846 A 20230215**; TW 112105347 A 20230215; US 202318103999 A 20230131